19990508.qrp v01_n451.qrl.990508

Date: Sat, 8 May 1999 19:03:23 EDT
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 1451

QRP-L Digest 1451

Topics covered in this issue include:

  1) [39851] power
     by Anthony Felino <anthony@pacinfosb.com>
  2) [39852] Original Cost of Norcal Sierra?
     by Jim Lowman <jmlowman@ix.netcom.com>
  3) [39853] 'DSW'- "When can I get one?
     by Bensondj@aol.com
  4) [39854] Tentec qrp kit ::UPDATE::
     by PUNISHER3@aol.com
  5) [39855] Pixie
     by "Carl Zmola" <zmola@campbellsci.com>
  6) [39856] QRPp TYPO ?
     by mjfitz@uswest.net
  7) [39857] Re: HamCom Info Update
     by Jay Bromley <w5jay@alltel.net>
  8) [39858] Re: [39784] RS PS cash refund !!
     by Doug Faunt N6TQS +1-510-655-8604 <faunt@netcom.com>
  9) [39859] QRPp
     by K2UD@aol.com
 10) [39860] Re: Regen receivers
     by "Harry T. Hurst, WA3PTG" <hhurst@delaware.infi.net>
 11) [39861] 2N2/40 praise and parts question
     by PGSPersEng@aol.com
 12) [39862] QRPp
     by "George W. Lee" <k5ht@juno.com>
 13) [39863] RE: ZM-2 Plastic Case & Meatl
     by "L. B. Cebik" <cebik@utkux.utcc.utk.edu>
 14) [39864] Re: W8JK
     by "Richard Arland" <r_arland@hotmail.com>
 15) [39865] May 8 Bo-k
     by "Down" <adown@sprint.ca>
 16) [39866] Desert Ratt 3 Response
     by ki6ds@dpol.k12.ca.us (Hendricks, Doug)
 17) [39867] Re: Regen receivers
     by Dean W Manley <kh6b@juno.com>
 18) [39868] Re: More fun with a sound card
     by "Tony Fishpool" <g4wif@btinternet.com>
 19) [39869] Southern Edition of Windows 98 (Long)

by "Carlos J. Caro" <CJCARO@email.msn.com>
20) [39870] RE: Artifical ground
by aweiss@usd.edu (Ade Weiss W0RSP)
21) [39871] Inspirational QRP DX Tonight
by "Steve Yates, AA5TB" <aa5tb@swbell.net>
22) [39872] Re: A New Elmering Project (Repost)
by "J. Ervin Bates, W8ERV" <kb8tnq@voyager.net>
23) [39873] Marconi Xtals in oven?
by Arjen Raateland <Arjen.Raateland@vyh.fi>
24) [39874] Re: Southern Edition of Windows 98 (Long)
by "Charles D.Feigley" <wa8cul@gte.net>
25) [39875] dBd
by "L. B. Cebik" <cebik@utkux.utcc.utk.edu>
26) [39876] QRP-L Police
by "Charles D.Feigley" <wa8cul@gte.net>
27) [39877] Need VFO Pinout Information
by "Tim Cook" <timcook@erinet.com>
28) [39878] Trade: Tokyo Hy-Power HF Handheld
by "Kelly Ellison" <kelman@dialnet.net>
29) [39879] Re: Artifical ground
by "Vincent Ferme" <vferme@sprint.ca>
30) [39880] Re: QRPp TYPO ?
by "Jim Kortge, K8IQY" <jokortge@cwix.com>
31) [39881] Re: QRPp
by "Jim Kortge, K8IQY" <jokortge@cwix.com>
32) [39882] Re: Artifical ground
by Steve <smann@advi.net>
33) [39883] 74HC240 chip substitution question
by Jim Hale <kj5tf@yahoo.com>
34) [39884] Re: QRP-L Police
by "Frank Emens" <femens@advicom.net>
35) [39885] n7ve quadrature detector
by per-arne.asp@tordata.se (Per-Arne Asp)
36) [39886] RE: QRP-L Police
by "Bill Johnson" <b1ljohn@msn.com>
37) [39887] Re: Back-up rig/1st rig : have $350 - $400 to spend
by Bill B Lazure <n2tpa@juno.com>
38) [39888] FS: 509, HW-8, Exp II 30M, MFJ-931, Keys
by "Kevin F. Glynn" <kfglynn@prodigy.net>
39) [39889] Re: QRP-L Police
by "Mel Evans" <MelGM6JAG@bccscotland.freeserve.co.uk>
40) [39890] NorCal Paddles - any unbuilt?
by Mark Sailer <msailer@msailer.rhic.bnl.gov>
41) [39891]
by fan768@juno.com
42) [39892] Help needed: MPF-105, 2N3819 Specs.
by applitech@mcg.net (Claton Cadmus)
43) [39893] Re: your mail

    by James Skalski <jskalski@localnet.com>
 44) [39894] Re: QRP-L Police
    by Hank Kohl K8DD <k8dd@contesting.com>
 45) [39895] Re: QRP-L Police
    by Tom Bowman <tbowman@nbn.net>
 46) [39896] Re: W9GR DSP.
    by "Vincent Ferme" <vferme@sprint.ca>
 47) [39897] Re, Address
    by "mail" <richqrp@home.com>
 48) [39898] Re: Diode Matching
    by "Jim Kortge, K8IQY" <jokortge@cwix.com>
 49) [39899] National MPS-A20G spec?
    by mikemo@ibm.net
 50) [39900] Re: Diode Matching for the 2N2/40
    by PDouglas12@aol.com
 51) [39901] RE: QRP-L Police
    by Brian Short <bshort@speedchoice.com>
 52) [39902] Swapmeet
    by "Steven Weber" <kd1jv@moose.ncia.net>
 53) [39903] For Sale: Heath HW-9 Accessories
    by RobCap@aol.com
 54) [39904] NC20 Receiver problem
    by Clive Marshall <kc2dsh@yahoo.com>
 55) [39905] HW-9 Accessories Have Been Sold
    by RobCap@aol.com
 56) [39906] New ham!
    by fred.devries@mindspring.com
 57) [39907] Re: QRP Classics
    by guillotstutoring@juno.com
 58) [39908] Mixer Q: 2402 Core
    by mjfitz@uswest.net
 59) [39909] Re: QRP-L Police
    by Chris Trask <ctrask@primenet.com>
 60) [39910] Re: Help needed: MPF-105, 2N3819 Specs.
    by Thomas Kuehl <ac7a@uswest.net>

Date: Fri, 7 May 99 16:27:15 -0800
From: Anthony Felino <anthony@pacinfosb.com>
To: qrp-l@lehigh.edu
Subject: [39851] power
Message-ID: <Chameleon.926119769.anthony@anthony>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Judging by the replies to my post, there is a lot of
confusion on this power issue. I believe we can all

benefit by attempting to straighten
it out. The confusion seems to derive from the fact that
in an amplitude modulated signal, including CW, there are two
waveforms involved, the RF waveform and the modulating
waveform, or envelope.

First of all, how do we measure power?

Paul, W9AC, wrote:"Power is Power. And by definition,
there can be no "RMS" power;...Only when voltage and
current are analyzed is RMS relevant." This is true.
RMS was developed as a way of manipulating voltages
and currents to simplify power calculations. The term
the FCC uses is "average power", which is what you get
when you calculate power using an RMS voltage. We generally
just speak about power, and the way most of us measure
it is to run a transmitter into a 50 ohm dummy load and
monitor the voltage with a scope. We take the peak
voltage, multiply it by .707 to get RMS voltage, square it,
then divide by 50. The lazy among us take the peak voltage,
square it, and divide by 100. Same thing.Others of us plug
our transmitters into HP bolometer-type power meters
(through an attenuator), which compare the heating caused
by our transmitter to that caused by a calibrated DC power
level. So we agree on measuring power? We agree
that our 1W transmitters show 10V peak or 20V peak to peak
on the scope, right?

The concept of instantaneous power is of practical value,
but ususlly not to us radio guys. At the peak of the RF
waveform, the instantaneous power is twice the average.
This is sometimes called "peak power." We ignore this
most of the time in RF and audio work because,
for instance, our resistors heat up slowly enough
that the high instantaneous power dissipation doesn't
worry them.

Now, the FCC defines PEP as "The average power supplied
to the antenna transmission line by a transmitter during
one RF cycle at the crest of the modulation envelope
taken under normal operating conditions." The regulations
impose a limit of 1500W PEP, regardless of mode.
Notice that they are stating the equivalence of average
power and PEP. Hold the key down on your 1500W transmitter,
and you are putting out an average power of 1500W, and also
1500W PEP, and also what most of us call 1500W RMS.

Maybe. Some of us start thinking about the "duty cycle,"

which is dependent on the modulating envelope. This means
looking at more than one RF cycle. The FCC
can't meaningfully specify a legal maximum power
averaged over many RF cycles because such a policy would
be no maximum at all. If a maximum of 1500W averaged over
10 seconds was specified, an ssb operator could
bark into a 15KW PEP transmitter for one second and have
an average power of 1500W for the period. A cw operator
could run 3KW PEP if his duty cycle was 50%. Except for
in thermal design, the average amplitude of the modulating
envelope is rarely a topic of conversation.

Notice that for an RF cycle with an average power
of 1500W, the peak power is 3000W (for what it's worth),
and the PEP power, regardless of how
this particular signal is being modulated, must be 1500W.

WN6Q

Anthony Felino, Pacific Information Design
email: anthony@pacinfosb.com, afelino@eng.delcoelect.com
telephone: (805) 730 1565, x25
fax: (805) 730 1569

Date: Fri, 07 May 1999 16:52:12 -0700
From: Jim Lowman <jmlowman@ix.netcom.com>
To: qrp-l@lehigh.edu
Subject: [39852] Original Cost of Norcal Sierra?
Message-ID: <37337CAC.95660890@ix.netcom.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

OK, next question...

What was the original kit price for the Norcal Sierra?

Sorry I didn't solicit this information with my last message.

72 de Jim - AD6CW

Date: Fri, 7 May 1999 20:00:32 EDT
From: Bensondj@aol.com
To: qrp-l@lehigh.edu
Subject: [39853] 'DSW'- "When can I get one?
Message-ID: <ec6f59da.2464d8a0@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

gang-

Thanks for the inquiries about the new DSW series- the level of interest is gratifying! The answer is: "soon".

I'll post a message early next week- I expect production quantities of boards to arrive here Monday and I plan to have a number of the 40M kits with me at Dayton.

73, Dave- NN1G

Date: Fri, 7 May 1999 20:30:29 EDT
From: PUNISHER3@aol.com
To: qrp-l@lehigh.edu
Subject: [39854] Tentec qrp kit ::UPDATE::
Message-ID: <1aa5400c.2464dfa5@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Well, thanks to the people that gave me the answer about this rig not wanting to key into a "real" antenna. I fixed 98% of that problem. There are still occasional *popping* noises and a few other little things, but i will try to work on that.

Now, another problem that i am facing is the keying. There is a terrible chirp of loud noise and key clicks when the rig finishes a character. I can still use it and key it, but it gets *really* annoying having to hear these loud things after each time i let go of the key. I have received one fix for it, but maybe someone else has others too. This one is to add a 10k ohm resister from pin 8 to pin 3 on U4, and to change R44 from 470 ohm to 100 ohm.

I was able to make 3 contacts right after a finished moving the coils around the torroid. I talked to a guy in MO, another guy near me here in WA, and my best one with this rig so far T22KJ! One guy complained that my cw didn't have a "reflection". What does that mean?

Ok, i think i'll ask one more question while your still reading this. I just received a new keyer, but for some reason when I plug the key into the rig, it stays keyed down and doesn't let go 'till i pull it out. Then i tried reversing the 2 wires, and that made it key, but it was a TERRIBLE sound. Sounded like RF or something getting in. Lots of popping and weird side tone. I just stuck with my trusty strait key last night :)

If any of you have any suggestions or comments, please email me, or the list.
73/2 es gud dx,
Ben
NW7DX
Redmond, WA

Date: Fri, 7 May 1999 18:41:10 -0600
From: "Carl Zmola" <zmola@campbellsci.com>
To: qrp-l@lehigh.edu
Subject: [39855] Pixie
Message-ID: <19990508003551226.AAA196@carl-zmola>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-Transfer-Encoding: 7BIT

I was hoping to try building a pixie. How do I get started.

I've seen the smite (surface mount) and the tixie (tick keyer built on), but want to start even simpler for now. I want to play with it and modify it myself a little.

I know it was orriginally a qrpp article, but is there a way to get started without the article?

Carl
zmola@campbellsci.com

Date: Fri, 07 May 1999 19:38:24 -0500
From: mjfitz@uswest.net
To: qrp-l posts <qrp-l@Lehigh.EDU>
Subject: [39856] QRPp TYPO ?
Message-ID: <37338780.1C809C0F@pop.omah.uswest.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Guys-
    Is it a typo in the new QRPp issue or do you really match diodes to 1 (one) ohm? I would guess it is a typo (pg 22, line 20) since I find that the 1N914s here show about 1.2-1.5 Megohms on the Fluke 77 in autorange resistance mode...
    Also, in a related topic, why/where are 2N4124 more desirable to use than the common 2N2222s or 3904s or ...?
    BTW--EXCELLENT JOB on the illustrations for K8IQY's rig, Paul! And thanks very much for the time and effort, both of you. You got me fired-up to build one!
Mike KI0AF Mo. Valley, IA

Date: Fri, 07 May 1999 19:51:53 -0500
From: Jay Bromley <w5jay@alltel.net>
To: ki6ds@dpol.k12.ca.us
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [39857] Re: HamCom Info Update
Message-ID: <37338AA9.D20F0DF3@alltel.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Doug and Gang,
Cool, I was wondering what I would be doing that afternoon. I will bring my WBL's and some Elecraft propaganda. Maybe I can twist the arm of Clifton, AB5UA, into wheeling a demonstration on the K-2 and WBL. Can't wait till next month, I sure hope the weather is hot-hot. You know how cold it gets in Texas that time of year.

73 de w5jay..

"Hendricks, Doug" wrote:
>
>Jay Bromley will be bringing his K-2 and will set it up and operate outside
> the convention center in the afternoon. Vern Wright will bring the vertical
> antenna, so if you want to play with a K-2, that will be available.

Date: Fri, 7 May 1999 18:06:27 -0700 (PDT)

From: Doug Faunt N6TQS +1-510-655-8604 <faunt@netcom.com>
To: radman@best.com
Cc: qrp-l@Lehigh.EDU
Subject: [39858] Re: [39784] RS PS cash refund !!
Message-ID: <199905080106.SAA07526@netcom19.netcom.com>

I went down to my local RS to get one, and the salesman there told me
I could get ANOTHER $10. off if I'd switch my telephone service to
Sprint, even if I switched back the next day.
It seems to be working.
73, doug

> Date: Fri, 7 May 1999 00:11:54 -0700
> From: "Radman" <radman@best.com>
>
> Gang,
>
> Remember to stop by RS and pick up your CASH refund if you
> purchased your switching PS (22-503) prior to the sale
> date. You have 30 days of price protection from the date
> of purchase -- and that's $10.83 if you live in CA :)
>
> Who says there's no free lunch ;)
>
> 72,
>
> Conrad -- NN6CW

Date: Fri, 7 May 1999 21:18:02 EDT
From: K2UD@aol.com
To: qrp-l@lehigh.edu
Subject: [39859] QRPp
Message-ID: <16cd0188.2464eaca@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

After the hype, the hints and the suggestions, the Winter QRPp truly makes an
accounting for itself. It's all that you expected and then some. It made it
to NY on Friday the 7th.

This will become one of those issues that will remain dog-eared in your

collection for years to come. Mine already is, and I've only had it for about 6 hours! Count this issue among the greats, like the NC-40, the 38S, paddle, et al. You won't take it out of your bag, briefcase, lunchbox, back pocket for a few months.

Paul's illustrations are first rate, the perfect compliment for Jim's rig which should become world class in short order. (Jim, can I put 4 2222's in the final?)

A classic issue. If you don't subscribe, do get the special printing when it is available.

72 all

Howard Kraus, K2UD

Date: Fri, 7 May 1999 09:48:06 -0400
From: "Harry T. Hurst, WA3PTG" <hhurst@delaware.infi.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [39860] Re: Regen receivers
Message-ID: <002a01be9890$3f336d00$2e4b9ace@hhurst>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

All this regen talk finally got me busy this morning. The result is similar to W1FB's QRP book regen. It's built ugly style, uses a 2N5485 -- courtesy of an NJQRP elmer -- and a 2N3904 preamp to feed an RS speaker amp. Now I need to build another, this time with the toroid mounted in an octal tube base, so I can change bands.

These radios are crude, but more fun than a kilobuck ricebox!

Date: Fri, 7 May 1999 22:19:13 EDT
From: PGSPersEng@aol.com
To: qrp-l@lehigh.edu
Subject: [39861] 2N2/40 praise and parts question
Message-ID: <53b9bc37.2464f921@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Content-Transfer-Encoding: 7bit

Gang,

Let me add my praise for the high quality of the Winter 1998 issue of QRPp -- and take it from somebody who's earned a living as an editor for trade journals for more than 20 years that it's a fantastic job.

I, for one, will be building this rig over the next few months. Before I start scrounging for the parts (having already ordered the Norcal resistor and cap kits), does anybody plan on either kitting the parts or supplying Mouser/Digikey part numbers? I'd certainly be willing to pay a modest premium to somebody -- whether a club, a company (such as Dan's Small Parts) or an individual -- if they were to kit the parts. I bet there would be considerable interest from List members for such a service?

By the way, had a nice eyeball QSO with Jim (W1FMR) at the Rochester NH hamfest this evening (Friday). The hamfest crowd seemed kinda sparse -- maybe without the rain we always get for the event, people thought the fest was going to be called off.

72,
Paul, AA1MI

Date: Fri, 07 May 1999 22:49:05 EDT
From: "George W. Lee" <k5ht@juno.com>
To: qrp-l@Lehigh.EDU
Subject: [39862] QRPp
Message-ID: <19990507.214835.7975.4.k5ht@juno.com>

If you guys don't stop taking about the QRPp arriving and mine doesn't get here soon, my wife says it's BIBS for you boy!

73, George KR5C

_____
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or call Juno at (800) 654-JUNO [654-5866]

Date: Fri, 7 May 1999 22:51:41 -0400 (EDT)
From: "L. B. Cebik" <cebik@utkux.utcc.utk.edu>
To: Adrian Weiss <aweiss@usd.edu>
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>

Subject: [39863] RE: ZM-2 Plastic Case & Meatl
Message-ID: <Pine.GSO.4.10.9905072246560.23514-100000@moe.cas.utk.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

A metal case should have ample room to minimize coupling to the case and having the resulting stray capacitances and inductances affect the tuning--since the effective copmponent Q is thus lowered. Since losses are a function of "network Q" over component Q, any reduction in component Q is an increase in loss.

The toroid should not be affected in a major way so long as it has about 1/2" in every direction from the case walls. The capacitors might require a bit of care to keep them isolated from both hand and case capacitance.

With these precautions, a metal case may be used without fear of loss.

-73-

LB, W4RNL

Date: Sat, 08 May 1999 03:19:31 GMT
From: "Richard Arland" <r_arland@hotmail.com>
To: b_bradfield@yahoo.com
Cc: qrp-l@lehigh.edu
Subject: [39864] Re: W8JK
Message-ID: <19990508031931.63629.qmail@hotmail.com>
Mime-Version: 1.0
Content-type: text/plain; format=flowed;

>Hello y'all - -
>
>For everyone's information, in the second edition of W8JK's "Antennas",
>he gives a bit of historical perspective in several places about what
>his thought processes were and what went into the design of things like
>the corner reflector, helix, and 8JK antennas. Good reading if you're
>also interested in the historical aspect of technology.
>
>72's es 73's,
>
>Brad, W5CGH

Another great source of info on W8JK, especially his early years,
is his book, Big Ear Two, the story of the Ohio State University
radio telescope. Lots of historic stuff in that book including how
he invented the helical antenna. Great read.

73 Rich K7SZ
>See y'all at HAMCOM!
>

_____
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Date: Fri, 7 May 1999 21:33:50 -0600
From: "Down" <adown@sprint.ca>
To: "QRP-C" <qrp-canada@lists.gpfn.sk.ca>
Cc: "Earl" <earlmurf@telusplanet.net>, "QRP-L" <qrp-l@lehigh.edu>
Subject: [39865] May 8 Bo-k
Message-ID: <199905080332.XAA27111@hme0.mailrouter02.sprint.ca>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

lots of QRN es QRM as usual - noise level was a constant s10. Had to move
around quite a bit to find the best spot - stayed within the 7040-7045
range tho, so that worked out ok. Worked a little over 4 watts tonite es
dug up 5 flowers to hand out.

TIME	Call	Name	Tx/Rx	QTH	QRP-C	Pwr
0100	VE6CGO	Russ	559 339	AB	49	
0145	VE6EWM	Earl	599 559	AB	06	3w
0210	WN6HYX	Mary	339 449	CA	51	
0215	VE6NJK	Niels	339 229	AB	41	
0248	AF4LQ	Mike	229 339	KY	43	

Tnx for hanging in there Niels es Mike...was a bit ruff there for a bit,
but we got it! I should have asked to confirm ur nr Russ, but I am sure I
got a good copy on 49 - not ur fault if i copy wrong....you still get the
flower!

Earl gave me that 599....must have been leaning out the window some for
it...hi!

Sorry if I didn't hang out es chat a bit, but with condx the way they are, I wanted to get as many contacts as possible while there was any hope at all. Tnx again for all your patience. Will be working 20 meters tomorrow on the straight key as my keyer makes funny noises on that band, so pse bear with me.

Have a good weekend all, es hope we get some NS, PQ es ON on 20 tomorrow.

Best 72,
Bill VE5HQ
QRP-C 116

Date: Fri, 7 May 1999 21:09:21 -0700
From: ki6ds@dpol.k12.ca.us (Hendricks, Doug)
To: <qrp-l@lehigh.edu>
Subject: [39866] Desert Ratt 3 Response
Message-ID: <01be9908$8d306620$630a0d0a@doug.dpol.k12.ca.us>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Oh my God! I have never ever had such a response in all of my email sending experience. I have had well over 100 requests for the Desert Ratt 3 info since I sent it out that it was available today. What a world we live in. Talk about instant gratification. Now, who will be the first to report that it is up and working???? Guys this is a natural for the Manhattan pad style of construction that Jim Kortge uses in the latest issue of QRPp, which is the 2N2/40 issue. Thanks to all for the support and kind words, but most of all, thank you for your patience and understanding. IT IS IMPORTANT to all of us. 72, Doug, KI6DS

Date: Sat, 08 May 1999 00:06:51 EDT
From: Dean W Manley <kh6b@juno.com>
To: qrp-l@Lehigh.EDU
Cc: kh6b@juno.com
Subject: [39867] Re: Regen receivers
Message-ID: <19990507.180822.5391.2.kh6b@juno.com>

Those interested in a Short Wave Regenerative Receiver
Project should check out this club web site,
http://www.chelmsford.com/bars/regenproj.htm

Looks like a good club or group project.

Aloha,
Dean KH6B
Hilo Hawaii

_____
You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at http://www.juno.com/getjuno.html
or call Juno at (800) 654-JUNO [654-5866]

Date: Sat, 8 May 1999 06:51:38 +0100
From: "Tony Fishpool" <g4wif@btinternet.com>
To: "QRP-l" <qrp-l@lehigh.edu>
Subject: [39868] Re: More fun with a sound card
Message-ID: <009301be9916$fbfdd840$24e8abc3@p75>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Yes it's all good fun over here. The 2m & 70cms bands are fairly unoccupied nowadays. So obviously we need more channels so that we can have even bigger spaces between the few channels that are occupied.
It couldn't be a plot to churn all those 25k/c channelled rigs, or am I just a cynic?

I've had my KDK2025 for longer than the wife, and I don't reckon to have gotten my money's worth yet (from the rig that is).
The other change that is being ignored wholesale is the new channel numbering. Years ago, the simplex channels were given "S" numbers. So on 2 metres, the calling channel 145.500 was "S20" - "S21" being 25k/c up etc. Now we have been told that S20 is V40, so S21 is V42. Visitors to the UK won't need to learn it though - I've never heard the new system used.

I like a nice bit of anarchy now and then.

72
Tony - G4WIF/K4WIF

-----Original Message-----
From: Laura Halliday <lha@sdr.utias.utoronto.ca>
>In the May Radio Communication is a writeup of an FM

>deviation tester. England is in the throes of changing
>to 12.5 kHz channel spacing on 2m, and there are lots
>of radios that need to be tweaked...
<snip>

Date: Fri, 7 May 1999 06:19:01 -0600
From: "Carlos J. Caro" <CJCARO@email.msn.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [39869] Southern Edition of Windows 98 (Long)
Message-ID: <000501be9884$5b21cf40$97510e3f@default>

Folks,

At our recent swapfest, I won a raffle prize. Windows 98, but when I got
home I noticed it was the Southern edition.

The Southern edition can be recognized by the unique opening screen.
It reads WINDERS 98 with a background art of Gen. Robert E. Lee superimposed
on a Confederate flag. It is shipped with a Dukes of Hazard screen saver.

Also the labels are different.

Recycle Bin	Outhouse
My Computer	This Dern Contraption
Dial Up Networking	Good ol' Boys
Control Panel	The Dashboard
Hard Drive	4 wheel Drive
Floppies	Them little ol' plastic disc things

Changes in Terminology

OK:	ats aw-rite
Cancel:	piss on it
Reset:	try er agin
Yes:	yep
No:	noop
Find:	hunt fer it
Go To:	over yonder
Back:	back yonder
Help:	hep me out here
Stop:	kwitit

Start: crank er up
Settings: sittings
Programs: stuff at duz stuff
Documents: stuff i done did

Also note that this edition does not recognize capital letters or punctuation marks.

PROGRAMS EXCLUSIVE TO WINDERS 98

tiperiter A word processing program
colerin book A graphics program
cyferin mersheen calculator
outhouse paper notepad
jupe-box CD player
iner-net Microsoft Explorer 4.0
pichers A graphics viewer
irs MS accounting software
irs2 MS accounting software with hidden files
tax records Generally an empty file
coon dawg American Kennel Club records

It is preloaded with "favorites" for browsing the web.

Fish: Bass Anglers Sportsmen Society
NRA: National Rifle Association
Shotgun: Remington Arms home page
Riffel: Winchester home page
Pisstul: Smith & Wesson home page
Truck: Ford & Chevy dealers by zip code
House: Mobile Home repair services and movers by zip code
Cuzzins: Complete database of southern residents
Bud: List of Budweiser distributors by zip code
Rasin: NASCAR racing schedule w/TV stations broadcasting
Car n' Truck Repair: Junk Yards by zip code
Doc: Veterinarians by zip code.

Was originally going to return this copy, but thought I would ask the 4-landers on this list, would this software be able to handle a Field Day logging program ???

Thanks in advance
Carlos #1333

Date: Sat, 8 May 1999 00:24:30 -0500 (CDT)
From: aweiss@usd.edu (Ade Weiss W0RSP)
To: qrp-l@lehigh.edu
Subject: [39870] RE: Artifical ground
Message-ID: <199905080524.AAA24770@sunburst.usd.edu>

MFJ's artificial ground (and TT's too) are simply tuners (forget whether L- or T-networks) with a bridge to measure the current value at the tuner. The network is adjusted to "stretch" or "shorten" the grounding wire to the minimum current node on this wire, which is actually functioning as a piece of feedline.

Date: Sat, 8 May 1999 01:18:52 -0500
From: "Steve Yates, AA5TB" <aa5tb@swbell.net>
To: "QRP-L Distribute" <qrp-l@Lehigh.EDU>
Subject: [39871] Inspirational QRP DX Tonight
Message-ID: <004701be991a$a5c67a00$1c37a497@aa5tb>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Just in case your new to QRP DX I thought I would report that 20 meters has been in very good shape tonight with lots of activity. I worked five countries casually with 5 watts CW and a low dipole from around 0345 to 0545 UTC. Worked the following:

Z31FK - Macedonia
DF8NY - Bayreuth, Germany (nice ragchew)
SP4EAK - Olsztyn, Poland
F6CEL - Laon, France
HA5JI - Budapest, Hungary

I usually can work into Europe through central Asia at this time but on the weekends more folks are awake over there and they enjoy working QRP stations. If you don't already get on 20 meters late at night give it try while the band is open 24 hours a day. The best paths for me have been following near the gray line (day/night terminator).

I still can't seem to find any of the G-QRP folks on at these hours though.
Oh well, I'm not on the air that early in the morning either :-)

By the way, I do still dream of a long boom monoband Yagi for 20 meters up about 20m high. With all of the DX I hear with a low dipole I can only imagine what one must hear with a big gun antenna.

73,
Steve Yates
AA5TB
Fort Worth, TX
http://home.swbell.net/aa5tb
aa5tb@swbell.net

Date: Sat, 08 May 1999 03:57:51 -0400
From: "J. Ervin Bates, W8ERV" <kb8tnq@voyager.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [39872] Re: A New Elmering Project (Repost)
Message-ID: <3733EE7F.40A4E30C@voyager.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

For those of you who have responded to the first post on this subject, please disregard. For those of you who have not responded yet, please take a moment from your busy day and offer some suggestions:

I am in the process of lining up several "panelists" for the purpose of writing a resource book for the new and prosepective Amateur. I have recieved some excellent suggestions and my list of potential "panelists" are from (literally) all over the globe! What an exciting time!

Once again, I pose this thought: If you could sit down with ANY five people, who have done the most for the Hobby (alive), who would they be? What questions would you ask them? I know this is difficult, but narrow it down to five, send me their names and callsigns and one question to each. In the final production, your questions and their answers may well appear in the soon to be published book we are working on.

I will keep the list abreast of developements, as they come along, but for now we are lining them up for contact. My thanks to those of you who have contacted me about helping in your area of expertise. I can't do this without you.

72/73,
Erv W8ERV

Date: Sat, 08 May 1999 09:04:02 +0000
From: Arjen Raateland <Arjen.Raateland@vyh.fi>
To: QRP-L <QRP-L@lehigh.edu>
Subject: [39873] Marconi Xtals in oven?
Message-ID: <3733EFF2.7291@vyh.fi>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

Hello all,

May QRP'ers build their own gear so they'll need some means of measuring the operating frequency of this home-brew stuff. A local frequency standard can be helpful here. This is the link to QRP-L of my questions below:

I bought a surplus crystal oven of the type with an octal plug. It was made by Marconi and has sockets for two crystals. The oven has a plain aluminum cover which is marked on top:

Marconi
W.44530 ED.A

1. kc/s
2. kc/s

The oven came with two crystals marked:

4000 kc/s
MARCONI
Q01670A
XLC75C

6000 kc/s
MARCONI
Q01670A
20/75/30

The oven has a bimetal switch, I assume, and it appears to work well on 12 Vdc. I just connected the oven such that the switch is in series with the heater element. Heater current is about 500 mA at 12 V. I haven't

measured the temperature inside, but the heater cycles on and off.

Looking in the literature it seems a crystal for use in an oven is usually cut such that the frequency goes down when the oven heats up. The frequency starts to go up again past a certain temperature, which is the temperature the oven should maintain.

Well, I measured the heating up characteristics of both crystals in this oven and found that the 4 MHz Xtal goes UP and the 6 MHz Xtal goes DOWN in frequency when the temperature rises from room temperature to the point where the oven starts cycling on and off. This behaviour seems strange. The difference in frequency is tens of Hertz.

My test oscillator is actually my FET dipmeter which I couple to the Xtal and adjust till it locks as seen on a frequency counter. In my setup the 4MHz Xtal is ca. 2 kHz high and the 6MHz ca. 2 kHz low. Strange ... my counter time base may be off a little, but not by that much.

While the oven cycles the frequency keeps going up and down a few Hertz. (I know the counter is just a garden variety, but the oven cycling is rather quick and the counter sits in comparatively steady circumstances.) The Xtals in this oven don't seem to be such a good combination to me.

Does anybody reading this recognize this type of oven and it's Xtals perhaps? Any information is very welcome.

Could it be that the stability (0,3 ppm) indicated by the seller will be attained by adding or subtracting the two frequencies? (Originally only a 4MHz Xtal was supposed to be included, the 6MHz one was a 'bonus'.) I've never heard of such a scheme, but who knows, the temperature coefficients are clearly opposed in sign between room temperature and oven temperature.

Any information on this subject very welcome.

tnx es 73,
--
Arjen Raateland
OH2ZAZ

SAS Support
Finnish Environment Institute, Helsinki

AX.25: OH2ZAZ@OH2RBI.FIN.EU

Date: Sat, 08 May 1999 06:17:03 -0400
From: "Charles D.Feigley" <wa8cul@gte.net>
To: CJCARO@email.msn.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [39874] Re: Southern Edition of Windows 98 (Long)
Message-ID: <37340F1F.679C0D1A@gte.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Aint no wondring why you damn yankees lost the war.................

Carlos J. Caro wrote:

> Folks,
>
> At our recent swapfest, I won a raffle prize. Windows 98, but when I got
> home I noticed it was the Southern edition.
>
> The Southern edition can be recognized by the unique opening screen.
> It reads WINDERS 98 with a background art of Gen. Robert E. Lee superimposed
> on a Confederate flag. It is shipped with a Dukes of Hazard screen saver.
>
> Also the labels are different.
>
> Recycle Bin   Outhouse
> My Computer   This Dern Contraption
> Dial Up Networking   Good ol' Boys
> Control Panel   The Dashboard
> Hard Drive   4 wheel Drive
> Floppies   Them little ol' plastic disc things
>
> Changes in Terminology
>
> OK: ats aw-rite
> Cancel: piss on it
> Reset: try er agin
> Yes: yep
> No: noop
> Find: hunt fer it
> Go To: over yonder
> Back: back yonder
> Help: hep me out here
> Stop: kwitit
> Start: crank er up

> Settings: sittings
> Programs: stuff at duz stuff
> Documents: stuff i done did
>
> Also note that this edition does not recognize capital letters or
> punctuation marks.
>
> PROGRAMS EXCLUSIVE TO WINDERS 98
>
> tiperiter A word processing program
> colerin book A graphics program
> cyferin mersheen calculator
> outhouse paper notepad
> jupe-box CD player
> iner-net Microsoft Explorer 4.0
> pichers A graphics viewer
> irs MS accounting software
> irs2 MS accounting software with
> hidden files
> tax records Generally an empty file
> coon dawg American Kennel Club records
>
> It is preloaded with "favorites" for browsing the web.
>
> Fish: Bass Anglers Sportsmen Society
> NRA: National Rifle Association
> Shotgun: Remington Arms home page
> Riffel: Winchester home page
> Pisstul: Smith & Wesson home page
> Truck: Ford & Chevy dealers by zip code
> House: Mobile Home repair services and
> movers by zip code
> Cuzzins: Complete database of southern
> residents
> Bud: List of Budweiser distributors
> by zip code
> Rasin: NASCAR racing schedule w/TV
> stations broadcasting
> Car n' Truck Repair: Junk Yards by zip code
> Doc: Veterinarians by zip code.
>
> Was originally going to return this copy, but thought I would ask the
> 4-landers on this list, would this software be able to handle a Field Day
> logging program ???
>
> Thanks in advance
> Carlos #1333

--
CHARLES D. FEIGLEY SR.   6030 150 Ave.N.#49   WA8CUL [ex-KE4UON]
LATITUDE   27.93   Clearwater,   EL87PW
LONGITUDE -82.73   Florida 33760-2180   GMT-5.0
wa8cul@gte.net

MEMBER:QRP-L #1752---AK/QRP #417   Tech Plus Ham Radio Operator
Society of Amateur Radio Astronomers   Marine Radio Operator Permit

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Date: Sat, 8 May 1999 07:46:25 -0400 (EDT)
From: "L. B. Cebik" <cebik@utkux.utcc.utk.edu>
To: QRP-L List <qrp-l@lehigh.edu>, gqrp@onelist.com, towertalk@contesting.com,
antennas@qth.net, antennaware@contesting.com
Subject: [39875] dBd
Message-ID: <Pine.GSO.4.10.9905080742390.9774-100000@moe.cas.utk.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I have added a footnote on gain figures in dBd to the note (in the upper
HF part of the index) on lobe formation, since the graphed data lent
themselves to some interesting comparisons. Consider: one antenna with a
gain that varies from 5.0 to 6.1 dBd. I hope the footnote is useful.

-73-

LB, W4RNL

L. B. Cebik, W4RNL   /\ /\   *   / /   /   (Off)(423) 974-7215
1434 High Mesa Drive   / \/ \/\   ----/\---   (Hm) (423) 938-6335
Knoxville, Tennessee   /\   \   \ \   / / || /   (FAX)(423) 974-3509
37938-4443   USA   / \   \   \ \ || cebik@utk.edu
                URL: http://web.utk.edu/~cebik/radio.html

Date: Sat, 08 May 1999 08:04:59 -0400
From: "Charles D.Feigley" <wa8cul@gte.net>
To: qrp-l@lehigh.edu
Subject: [39876] QRP-L Police
Message-ID: <3734286B.BFA12088@gte.net>

MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Would someone please send me the instructions on how to unsubscribe from this group.
It seems I have upset some of the fine members of this group. This morning in my hurry
to have some fun I made a post and forgot to deleat the original post. In the short time
since that post I have received several emails telling me I need to learn how to use my
computer ect, ect.
   Because of a industrial injury I have been home bound for the last year and a half.
Ham radio and this group have been my link to the outside. It was not my intention
to upset anyone.
  And Bruce,As far as knowing how to use a computer I was a programmer for 17
years for NC, CNC,and industrial Robotic applications. I can program in Unix, Linux,
C, C++, Java, Windows 95/98, NT, And most any G Code applications.
   Once again I would like to say I'm sorry for upsetting the group and as soon as
possible I will remove myself.
    Charlie WA8CUL

--
CHARLES D. FEIGLEY SR.   6030 150 Ave.N.#49   WA8CUL [ex-KE4UON]
LATITUDE   27.93   Clearwater,   EL87PW
LONGITUDE -82.73   Florida 33760-2180   GMT-5.0
wa8cul@gte.net

MEMBER:QRP-L #1752---AK/QRP #417   Tech Plus Ham Radio Operator

Society of Amateur Radio Astronomers   Marine Radio Operator Permit

---

Date: Sat, 8 May 1999 08:13:19 -0400
From: "Tim Cook" <timcook@erinet.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: [39877] Need VFO Pinout Information
Message-ID: <01bb01be994c$29ae3700$34775acf@timcook.erinet.com>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I am wiring a plug to a Ten Tec model 242 VFO and don't have the manual. I plan on calling Ten Tec on monday for a manual, but thought maybe someone might have the pinout information that they could email me so I could get it going this weekend.

here are the wires in the vfo cable:

2 - shielded, (probably vfo in/out)

1- black

1- orange/grey stripe

1. green/grey stripe

1 - yellow /gray stripe

1 - red

any help would be appreciated, I think the model 243 vfo has the same pinout if anyone has that information..
thanks again
Tim
NZ8J

Date: Sat, 8 May 1999 07:21:19 -0500
From: "Kelly Ellison" <kelman@dialnet.net>
To: <qrp-l@Lehigh.EDU>
Subject: [39878] Trade: Tokyo Hy-Power HF Handheld
Message-ID: <199905081222.HAA16398@dialnet.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hello,

I have got a Tokyo Hy-Power HT-750. This is an rugged HF Handheld that covers 40, 15 and 6 meters SSB and CW.
It has an LCD readout, RIT, NB, step tuning. It has the telescoping antenna and all three loading coils, speaker mic and leather case.
This radio is in new condition.. barely used - one of the loading coils and the DC cable (12 volts) is still in the original sealed package. It has a BNC connector for the antenna.
The radio will run off of 12 volts or 8 AA batteries. This is such a cool setup, I have struggled about whether to keep it or not, but don't think that hand held operation is my type of operating since I mostly run CW.
BTW, You can send CW with the speaker mic.

Have been told that you can buy this setup for around $550.00, I would like to trade for a small HF setup such as a K2 (I can dream), SGC2020 (w/o chirp) or similar. Not really interested in selling outright.
 Please contact me direct at kelman@dialnet.net.

Thank you all.

Kelly Ellison - WB0WQS - Aurora, Mo - Summit City of the Ozarks

---

Date: Sat, 8 May 1999 09:01:11 -0400
From: "Vincent Ferme" <vferme@sprint.ca>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [39879] Re: Artifical ground
Message-ID: <003c01be9952$d9b8fda0$661205d1@vince>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

The April 1991 issue of 73 has an article by J. Frank Brumbaugh on how to build an artificial ground.

73 de Vince, VE3VFN.

Date: Sat, 08 May 1999 09:00:52 -0400
From: "Jim Kortge, K8IQY" <jokortge@cwix.com>

To: mjfitz@uswest.net
Cc: qrp-l@lehigh.edu
Subject: [39880] Re: QRPp TYPO ?
Message-ID: <3.0.1.32.19990508090052.0068d830@mail49.cwix.com>
MIME-version: 1.0
Content-type: text/plain; charset="us-ascii"

At 07:38 PM 5/7/99 -0500, Mike KI0AF wrote:
> Guys-
>   Is it a typo in the new QRPp issue or do you really match diodes to
>1 (one) ohm? I would guess it is a typo (pg 22, line 20) since I find
>that the 1N914s here show about 1.2-1.5 Megohms on the Fluke 77 in
>autorange resistance mode...
Mike.....sounds like you are measuring the reverse resistance. You
want to measure the forward resistance, (turn the leads over) and
with my DVM, it's about 730 ohms for a typical 1N4148 diode. I also
am getting about 1.3+ Meg in the reverse direction.

>   Also, in a related topic, why/where are 2N4124 more desirable to use
>than the common 2N2222s or 3904s or ...?
Might be that 2N4124's have better specs, I don't have a data sheet for
the transistor. But, the original design goals proposed by Wayne, N6KR
was to design a rig "using only 2N2222" transistors. I wanted to
keep my effort consistent with the objective. :-)
>
>   BTW--EXCELLENT JOB on the illustrations for K8IQY's rig, Paul!
Yes, Paul does great work doesn't he. I'm anxious to see the
illustrations too.

>And thanks very much for the time and effort, both of you. You got me
>fired-up to build one!
Your welcome. Hope you do build one Mike. It's a really fun rig
to build and operate. I've build two so far, and probably will do
another one either for 30 or 17 meters.

72 and kind regards......Jim, K8IQY

Date: Sat, 08 May 1999 09:06:44 -0400
From: "Jim Kortge, K8IQY" <jokortge@cwix.com>
To: K2UD@aol.com
Cc: qrp-l@lehigh.edu
Subject: [39881] Re: QRPp
Message-ID: <3.0.1.32.19990508090644.0068d3e8@mail49.cwix.com>
MIME-version: 1.0

Content-type: text/plain; charset="us-ascii"

At 09:18 PM 5/7/99 -0400, Howard Kraus, K2UD wrote:
-snip-
>
>Paul's illustrations are first rate, the perfect compliment for Jim's rig
>which should become world class in short order. (Jim, can I put 4 2222's in
>the final?)
Howard....absolutely, should work fine. In fact, I believe that's what
Preston is running in his. Each metal 2N2222A is good for about 1 watt,
when used with a good heatsink.

72 and kind regards.....Jim, K8IQY

Date: Sat, 08 May 1999 09:25:35 -0400
From: Steve <smann@advi.net>
To: qrp-l@Lehigh.edu
Subject: [39882] Re: Artifical ground
Message-ID: <37343B4F.6088@advi.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

The purpose of an artificial ground tuner is to pass a low impedance
path for the ground currents on the chassis of your rig.

A variable inductance and variable capacitance in series accomplishes
this.

Steve, N4EY

Date: Sat, 8 May 1999 06:42:23 -0700 (PDT)
From: Jim Hale <kj5tf@yahoo.com>
To: QRP-L <qrp-l@Lehigh.EDU>
Subject: [39883] 74HC240 chip substitution question
Message-ID: <19990508134223.22476.rocketmail@web707.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

>From Brian, W5VBO comes this question/offer.

He has a large quanty of the following IC chips. And

we are wondering if they have any amateur radio TX
uses. If they are suitable at all, Brian is willing to
make them available to QRP-L folks for the cost of
shipping.

Hope to hear from any on the list with reference
material on these chips, and the smarts to explain
what they are to the rest of us - If any of them are
usefull we can work out details later on makeing them
available free to all on the list.

Thanks, de Jim

74HC244
74HCT244
74F245
74FHC245
74HCT245
74HC374
74HCT373 I have several thousand of these!

____
Do You Yahoo!?
Get your free @yahoo.com address at http://mail.yahoo.com

Date: Sat, 8 May 1999 09:12:41 -0600
From: "Frank Emens" <femens@advicom.net>
To: wa8cul@gte.net
Cc: qrp-l@Lehigh.EDU
Subject: [39884] Re: QRP-L Police
Message-ID: <199905081412.JAA08845@vespucci.advicom.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-Transfer-Encoding: 7BIT

Charles, DON'T EVEN THINK ABOUT QUITTING! I know some
people abuse the automatic quoting feature of their software, but
likewise some people abuse the list by assuming the mantle of list
cops.

Don't give them the satisfaction of chasing you off. They need to
learn that smarta** comments should, if used at all, be reserved for
those who continually quote long messages to no particular

purpose. A little thought is in order before sending comments like
you described and apparently it was not used in your case.

73,
Frank Emens, Huntsville, Alabama
femens@advicom.net

Date: Sat, 8 May 1999 14:33:44 +0200
From: per-arne.asp@tordata.se (Per-Arne Asp)
To: <qrp-l@lehigh.edu>
Subject: [39885] n7ve quadrature detector
Message-ID: <000501be994f$03ad2ea0$0600a8c0@p-a>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi,
does anyone know where to read more on n7ve's quadrature detector using the
74CBT3253?

73 de sm4inv
____
per-arne.asp@tordata.se or asp@zoff.se or sm4inv@hotmail.com
http://www.tordata.se/asp

Date: Sat, 8 May 1999 09:56:20 -0500
From: "Bill Johnson" <b1ljohn@msn.com>
To: <wa8cul@gte.net>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [39886] RE: QRP-L Police
Message-ID: <001801be9962$ee95ec00$25f1fbd0@bill>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Charles,

Some of the members can come across as insensitive. I, too, seem to make

mistakes. Don't leave the list and our group just because a few have found fault. It does help to reduce the size of the message for those who don't have the service and equipment to handle the long messages.

Do what you can to stay with us and take the criticism for what it is, and not too close to the heart. I don't think even those who e-mailed want you to leave. Our hobby is hurting for new comers so we need you. And everyone knows that.

I too have made some big mistakes, posting to lists when I should have posted to servers, etc., and I have gotten some very terse responses, but the senders of those notes, well they make mistakes too. Some day they will realize it, but I won't be the one to criticize them. I forgive mistakes instantly. I would rather help than criticize.

I use a service where I can preview and delete items of no interest. So those that find the message size objectionable have solutions, too!

Gotta love this hobby, so let the little stuff go by and have fun.

72,

Bill
K9YEQ
b1ljohn@msn.com
MNQRP Club
K-2, NC-40A, 38S, LDG QRP Auto tuner

-----Original Message-----

Would someone please send me the instructions on how to unsubscribe from this group.
It seems I have upset some of the fine members of this group. This morning in my hurry
to have some fun I made a post and forgot to deleat the original post.
In the short time.....>

Date: Sat, 8 May 1999 10:52:01 -0400
From: Bill B Lazure <n2tpa@juno.com>
To: qrp-l@lehigh.edu
Subject: [39887] Re: Back-up rig/1st rig : have $350 - $400 to spend
Message-ID: <19990508.112022.6566.2.N2TPA@juno.com>

Last year I picked up a Ten-Tec Triton (Analog) for a little more

than $200. Nice rig, all band, 1 to 75 Watts out, Kinda "bare-Bones",
perfect as a back-up rig or one for a beginner.

Bill
W2EB

_____
You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at http://www.juno.com/getjuno.html
or call Juno at (800) 654-JUNO [654-5866]

Date: Sat, 8 May 1999 11:46:36 -0400
From: "Kevin F. Glynn" <kfglynn@prodigy.net>
To: "QRP-L" <qrp-l@lehigh.edu>
Subject: [39888] FS: 509, HW-8, Exp II 30M, MFJ-931, Keys
Message-ID: <199905081546.LAA85202@pimout4-int.prodigy.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi gang,

I'm trying to fund another radio and would like to sell the following items
to help that along:

Ten-Tec Argonaut 509 $200
Manual copy with mod articles - very good condition

Heathkit HW-8 $125
Very good condition, manual

OHR Explorer II 30M Kit $75
Unconstructed kit with manual

38 Special 30M Kit, kit form $30
Manual with consolidated construction info from NorCal page

MFJ-931 Artificial Ground $50
Excellent condition with manual

Vibroplex semi-automatic key $50
Serial number in the 200,000+ range

Vibroplex Brass Racer $70
Rectangular wooden base with keyer built-in base

Little Red Key $20
Small key, same model (73 I think) that was being sold at Atlanticon

If you'd like more info please e-mail me direct or call at 718-833-0527.

Thanks and take it easy.

72 Kevin N2TO
Brooklyn, NYC
kfglynn@prodigy.net

Date: Sat, 8 May 1999 16:53:23 +0100
From: "Mel Evans" <MelGM6JAG@bccscotland.freeserve.co.uk>
To: <wa8cul@gte.net>
Cc: "QRP List" <qrp-l@lehigh.edu>
Subject: [39889] Re: QRP-L Police
Message-ID: <00e901be996b$52472fe0$6d60883e@default>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi Charles,

What for you wanna go 'way? This was a good bit of fun, and I'm not even 'merican!

So you forgot to delete the majority of the existing post, so what! There are guys out there that consistently quote complete messages containing complete messages, that contain complete messages, containing complete messages. (yes, work it out, it does make sense)

I would remind you that I AM the OFFISHUL List Verbosity Monitor with Chuck's permission, and I consistently check the percentage of the list quoted on the digest version. Charles' posting falls well within the guidelines for an acceptable post in that the original needed to be included to ensure we all were aware Charles was posting "tongue in cheek", and not seeking to offend (wellll! not too much anyway)

Charles, I am sending you a breeding pair of Haggis (Haggae). Once fully grown, these will keep the flamers well in their place. You have my permission to train them as attack Haggae.

I feel sure Nils will let you have a couple of Grinning Turkeys also to act

as watch-turkeys for your back lot in case any flamers try to creep in that way!

The list needs you, don't go away!

Regards

Mel
GM6JAG
Edinburgh Scotland UK
Home of the last HW9

British Caravanners Club Scotland Website up-dating daily

http://www.bccscotland.freeserve.co.uk

Over 20 local pages, and linked to over 4500 pages worldwide

Date: Sat, 08 May 1999 12:51:58 -0400
From: Mark Sailer <msailer@msailer.rhic.bnl.gov>
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [39890] NorCal Paddles - any unbuilt?
Message-ID: <37346BAE.71324B10@msailer.rhic.bnl.gov>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Does anyone have a set that they haven't built or intend to?
Or have you given up for any reason?

I would be interested in purchasing them.

TNX

--

    Mark Sailer
    N2JTW

Date: Tue, 13 Apr 1999 23:17:32 -0400
From: fan768@juno.com
To: qrp-l@Lehigh.EDU
Message-ID: <19990413.231830.-103459.2.fan768@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Well I just recently subscribed to this list. I was pretty interested
because I'm new to QRP. What a major disappointment. I haven't figured
out what Charles did wrong other than to respond to an inappropriate
post. " Windows 98 Southern version" or similar topics would be
inappropriate on any list as far as I'm concerned. (I thought I was
accidently listening to 75 meter phone.) Also most of the other 45
messages I had this morning didn't have much to do with QRP. Unless of
course you count the 20 messages about people staying up nights worried
about their QRPp. (whatever that is).

This being the weekend I hope everything is in order at the local
Telephone Company Central Office. (CO) I need the fastest possible
connection to un-subscribe from the list.
Frank K2PQ, SNJ
P.S. Good luck to you Charles.
____
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Get completely free e-mail from Juno at http://www.juno.com/getjuno.html
or call Juno at (800) 654-JUNO [654-5866]

Date: Sat, 8 May 1999 11:46:23 -0500
From: applitech@mcg.net (Claton Cadmus)
To: "QRP-l" <qrp-l@lehigh.edu>
Subject: [39892] Help needed: MPF-105, 2N3819 Specs.
Message-ID: <001501be9973$1ae29be0$a10a5e2c@groucho>

I need the specs and lead designations for MPF-105 and 2N3819 transistor.
I've tried the web without any luck. The MPF-105 was used as the RF amp in
the HW-8 I'm trying to find a decent sub. I happen to have 2N3819 and
should have MPF-102 around here but haven't found them yet.

BTW, is there a good discrete transistor information site on the web?

Please send email direct and thanks.
----

73 de KA0GKC Claton Cadmus
cla@mcg.net
MNQRP #1
Minnesota QRP'ers we're looking for you!
Email me or visit this page http://www.qsl.net/mnqrp

Date: Sat, 8 May 1999 13:38:37 -0400 (EDT)
From: James Skalski <jskalski@localnet.com>
To: fan768@juno.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [39893] Re: your mail
Message-ID:
<Pine.LNX.4.04.9905081331530.1228-100000@valhalla.valhalla.buffalo.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Monitor the list and you will find a very good signal to noise ratio.
The ratio is much better here than most places. The internet has a lot of
good and you will have to filter out the rest or it will be frustrating
indeed. The people that send offensive messages have been doing
it for quite some time. I have received them but I accept them for what
they are and delete them. If you have any qrp related questions; ask them.
You will be pleasantly surprised at the response.

73,

Jim n2go

Date: Sat, 08 May 1999 14:04:18 -0400
From: Hank Kohl K8DD <k8dd@contesting.com>
To: MelGM6JAG@bccscotland.freeserve.co.uk, <wa8cul@gte.net>
Cc: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [39894] Re: QRP-L Police
Message-ID: <4.1.19990508135852.01ea27c0@192.0.0.1>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 04:53 PM 5/8/99 +0100, Mel Evans wrote:

>

>So you forgot to delete the majority of the existing post, so what!

Yeah, big deal! It was a slip - it happens.

I think most everyone on this here list who has put out a bunch of
posts has made a misteak or too.

Besides, it's a rather well known fact that the person who has never
made a mistake probably has never done anything!   There's only one
perfect person that I've heard of....and he hasn't come back yet.

And to the qrp-l cops ..... Lighten up!

73   Hank   K8DD

Date: Sat, 08 May 1999 14:54:55 -0400
From: Tom Bowman <tbowman@nbn.net>
To: wa8cul@gte.net, qrp-l@lehigh.edu
Subject: [39895] Re: QRP-L Police
Message-ID: <3.0.5.32.19990508145455.00830100@nbn.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Charles and QRP-L:

I've been on this list close to five years. QRP-L has about 3,000 members.
As the list grows so does the "fatal 10 percent." Those are the people that
disagree with everyone, are sure they are right, and most always get it wrong.

So, it appears most of the fatal 10 percent sent you messages this morning.

But please don't sign off QRP-L.

I get better information from QRP-L then anywhere else on the Net.

About everything.

So I understand that QRP-L is your link with life.

The only thing wrong, in my opinion, with the
Southern Windows 98 post was the post was off-topic.

I've already copied it to a friend.

For the Politically Correct crowd who disagrees,
read this link:

http://www.mt-gretna.com/~tbowman/free.htm

Obligatory QRP: I just finished building a W9GR DSP filter,
Version 2.
http://www.oro.net/~w9gr/
The kit has been around six years but it makes
my old TS430 sound like new. I'm surprised
more folks here aren't using and/or talking about this kit.

Tonight, will try it with my SWL 40+. More later.

73,

Tom, WA3REY

_____

  <><   Tom Bowman, WA3REY, Mount Gretna, PA 17064

                   tbowman@mt-gretna.com   QRP-L #125

                                    http://www.mt-gretna.com

Date: Sat, 8 May 1999 15:09:15 -0400
From: "Vincent Ferme" <vferme@sprint.ca>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [39896] Re: W9GR DSP.
Message-ID: <000901be9986$45cbbcc0$543367d1@vince>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Tom and Group,

Ramsey Electronics at http://www.ramseyelectronics.com has the kit on sale.
They also have a 20M SSB/CW kit that I don't recall seeing any mention here.
Has anyone used it?

No connections with Ramsey, not even as a customer, for info purposes only.

73 de Vince, VE3VFN.

Date: Sat, 8 May 1999 12:44:18 -0700
From: "mail" <richqrp@home.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [39897] Re, Address
Message-ID: <00c301be998b29369760f5460418@cx55215-a.elcjn1.sdca.home.com>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Thanks to everyone that helped getting me Jim's address.
    73's..... Rich

Date: Sat, 08 May 1999 15:50:47 -0400
From: "Jim Kortge, K8IQY" <jokortge@cwix.com>
To: mjfitz@uswest.net
Cc: qrp-l@lehigh.edu
Subject: [39898] Re: Diode Matching
Message-ID: <3.0.1.32.19990508155047.006dc8a0@mail49.cwix.com>
MIME-version: 1.0
Content-type: text/plain; charset="us-ascii"

At 01:22 PM 5/8/99 -0500, Mike Fitzgibbon, KI0AF wrote:
>Jim,
Hi Mike.....
>
>   Thanks for the response. I do think I'm doing something right
>here...I tried the other direction (swap leads) with the diodes and all
>I got with a Fluke 77 is an over/underange indication.
I'll bet the Fluke isn't pushing enough current through the diode
in the forward direction to get a good measurement. My DVM has a
diode measurement position, and that's the one I use. I think
that position also makes the red lead positive, and the black one
negative, just so things work correctly.
>
>I do have other
>meters so will give that a try...Someone also mentioned to me trying to
>use a little DC bias via a resistor in series with a few volts DC...
Yes, that will work also. A 1.5 volt battery in series with 150 ohms
and then the diode hooked up in the forward direction will run about

5 milliamperes of current through the diode. If you measure the
voltage drop across the diode, about 0.68 volts, and match those
forward drops, you'll get a set of diodes that are well matched.

That method takes a tad longer, but the results are certainly just
as valid.
>
>   Thanks again for the note and very thanks for the time and trouble
>for your work on the rig and the article. It's guys like you that make
>this the fine, interesting hobby that it is, and it is often much more
>that "just" a hobby...
I had a great time writing the article, and hoped it would be well
received. And Paul's illustrations are always dynamite. He is
such a talent!

72 and kind regards......Jim, K8IQY

PS....I'm going to post this answer to qrp-l also.

Date: Sat, 08 May 1999 16:13:26 -0400
From: mikemo@ibm.net
To: qrpl <qrp-l@lehigh.edu>
Subject: [39899] National MPS-A20G spec?
Message-ID: <37349AE6.B3D78B68@ibm.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

>From the bottom of the hamfest "MISC." box I got for $1, a box of almost
2,000 National Semi transistors. I checked my databook and could not
find them. The parts themselves are labeled MPS-A20G, TO-92 package
transistors. The box has a hand written note, "HEP728". Possibly an
equivalent part? They are NPN, EBC from left to right. Beta measures
around 180 in my meter.
Does anyone have exact specs on this?
Also, if anyone needs some of these, send a SASE and I'll get some to
you. I don't think I'll run out ;-) These will probably work to build
the "Desert Ratt" regen.... I already started mine ;-)
Regards,
72 de ku4qo, Mike Maiorana, Palm Harbor, FL

Date: Sat, 8 May 1999 16:19:12 EDT
From: PDouglas12@aol.com

To: jokortge@cwix.com, qrp-l@lehigh.edu
Subject: [39900] Re: Diode Matching for the 2N2/40
Message-ID: <3cbac2df.2465f640@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Gang,

Jim's method for matching diodes works well, either way with my DVM. I used it for matching the Single Balanced mixers, and they work very well. However, I "cheated" a bit with the all-important Double Balanced Mixer (DBM) in the front of the receiver chain. Dan's Small Parts (incidentally I bought about 75% of the needed parts for my 2N2 from Dan's, and their entire catalogue is online at http://www.fix.net/dans.html--you'll need about 30 pages to print it online--no commercial intent here) has kits for making mixers out of hot carrier diodes for a couple of bucks. These are supposed to be pre matched--but I didn't bother checking as these are generally close enough for the 2N2. My hot carrier diode DBM is sensational. Maybe my MDS is better than it would have been with 1N914s because of these specialty diodes (marginally, maybe). Anyway, for about two or three bucks you get two sets of four with toroids. Get the right toroids and wind the toroids per K8IQY's specs of course.

Another issue that Jim and I talked about and felt might confuse beginners was the question of matching the three filter crystals. Matched crystals are generally better for crystal filters. You can use the 2N2s receiver LO (build it out of order, like in my pictures where it is sitting there all alone in a corner of the still mostly empty board.) and listen to each crystal with your station receiver, if you don't have a counter, to get a good idea of the frequency of your crystals. Don't touch the trimmer, of course, between crystals, and tune the receiver for zero beat. A set of ten from Tech America (my other source of stuff that Dan's didn't have) at a buck apiece--total $10-- yielded at least six closely matched crystals, and I just picked the best three. Actually, I used a counter and the neat crystal testing circuit from the six pack PC boards which Kanga sells--though I confess I homebrewed it using paddyboard construction!
But guys, if matching crystals is keeping you from building the 2N2, that would be silly, It'll work just fine with five unmatched crystals (three for the filter and two for the two LO's) , so long as they come from the same place so they're the same batch. Your bandwidth of the filter just won't be quite as tight. No big deal.

Jim, am I saying it right? :-)

Preston WJ2V

Date: Sat, 08 May 1999 20:24:48 +0000
From: Brian Short <bshort@speedchoice.com>
To: qrp-l@lehigh.edu
Subject: [39901] RE: QRP-L Police
Message-ID: <4.1.19990508202426.02979da0@mail.phoenix.speedchoice.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

TOP 12 THINGS TO SAY TO A COP
I can't reach my license unless you hold my beer.

Sorry, Officer, I didn't realize my radar detector wasn't plugged in.

Aren't you the guy from the Village People?

Hey, you must've been doin' about 125 mph to keep up with me. Good job!

Are You Andy or Barney?

I thought you had to be in relatively good physical condition to be a police officer.

You're not gonna check the trunk, are you?

I pay your salary!

Gee, Officer! That's terrific. The last officer only gave me a warning, too!

Do you know why you pulled me over? Okay, just so one of us does.

I was trying to keep up with traffic. Yes, I know there are no other cars around. That's how far ahead of me they are.

When the Officer says "Gee Son....Your eyes look red, have you been drinking?" You probably should respond with, "Gee Officer your eyes look glazed, have you been eating doughnuts?"

--
Brian K. Short http://www.qex.net/k7on/ mailto:k7on@arrl.net
--

Date: Sat, 8 May 1999 16:05:06 +0000
From: "Steven Weber" <kd1jv@moose.ncia.net>
To: qrp-l@lehigh.edu

Subject: [39902] Swapmeet
Message-ID: <199905082049.QAA11015@moose.ncia.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-Transfer-Encoding: 7BIT

Howdy,

Just back from the Rochester, NH Swap meet, sometimes known as
"Rainchester", but thankfuly, not this time :-)

Bumped into a number of QRPer's. Was wandering by the guy that does
engraved name tags and got an idea, had him make me one that
simply says "QRP" to put on my hat :-)

Found a low band (35-50 MHz) FM 30W, one transistor brick amp for 10
bucks. I hope to modify it for linear operation to give me incentive
to finish the 6 meter SSB transverter I started on awhile back. Will
let you know if it works, as these are fairly common.

Saw an HI3 buy a 3CX20,000. That's one serious tube! Wonder what he
plans on doing with that? I imagine not to run QRP!

72,
Steve, KD1JV in the white Mountains of New Hampshire
"melt solder"

Date: Sat, 8 May 1999 17:04:58 EDT
From: RobCap@aol.com
To: HEATH@listserv.tempe.gov, qrp-l@lehigh.edu
Subject: [39903] For Sale: Heath HW-9 Accessories
Message-ID: <82fe383d.246600fa@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi:

For Sale, three HW-9 accessories: SP-99 speaker, PSA-9 power supply, and
HFT-9 antenna tuner. The SP-99 and power supply are very clean (9.9 out of
10). The antenna tuner has a few light scratches on the top and sides, but
is otherwise very clean (8 out of 10).

This is an excellent opportunity to augment your HW-9 with matching

accessories to complete your HW-9 "station". I'm selling the lot for $150, plus $10 UPS ground shipping within the Continental U.S.

73,

Rob, W3DX

Date: Sat, 8 May 1999 14:28:08 -0700 (PDT)
From: Clive Marshall <kc2dsh@yahoo.com>
To: qrp-l@Lehigh.EDU
Subject: [39904] NC20 Receiver problem
Message-ID: <19990508212808.21351.rocketmail@web109.yahoomail.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Gang,

Hopefully, the QRP collective can help me with a problem I'm having with the NC20 receiver.

I carefully built everything (and checked out OK) up to section 13 (Receiver). I followed the instructions to peak up the signal, i.e. peaked TC6 for lowest beat noise, then peaked up TC2-TC5. However, all I seem to be peaking up is what I can only describe as a roar (probably noise which is restricted to lower audio frequencies). When I disconnect the 20M dipole, the roar stops; when I put it back in, it starts again. I can hear some signals above the roar, but not many.

I've check all the voltages along the receiver path, and they all agree with those listed in the constructors manual.

I added the AGC part, and then the mod. posted to the list and it didn't make any difference, still a low frequency roar.

I've even swapped out Q6, Q7, Q8 and U4. Still no difference. I didn't have a replacement for Q5.

So, gang, what's wrong?

Do I have an over noisy Q5 (which I haven't been able to replace)?
Do I need to add the input filter (L6, L7 etc.) which

I haven't yet done because I haven't built the
transmitter yet?
Do I have another bad component?
Have I peaked everything up correctly?

Please help.

Clive.
KC2DSH
_____
Do You Yahoo!?
Get your free @yahoo.com address at http://mail.yahoo.com

Date: Sat, 8 May 1999 17:50:28 EDT
From: RobCap@aol.com
To: HEATH@listserv.tempe.gov, qrp-l@lehigh.edu
Subject: [39905] HW-9 Accessories Have Been Sold
Message-ID: <9407eec3.24660ba4@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi All:

The three HW-9 accessories posted about twenty minutes ago have been sold.

73,

Rob, W3DX

Date: Sat, 8 May 1999 18:14:09 -0400
From: fred.devries@mindspring.com
To: <qrp-l@lehigh.edu>
Subject: [39906] New ham!
Message-ID: <008501be99a0$1964b500$440d8ad1@fred.devries>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Dear qrp friends,

Please be advised that this guy, today, has passed his Technician Plus tests, passed his 13 wpm code test, and missed his general by one lousy point. Now this old guy needs to figure out how to get on the air. (I've been unemployed for four months, and decided to go back to school to become an "AS/400 Programming Specialist", so money is real tight here.) Maybe I'll order and try to construct a "Pixie2". What do you think? Is that a beginner project?

Fred DeVries
Kalamazoo, MI

I support Alan Keyes for President! Go to:
http://www.keyes2000.com for more information

Check out my web page at:
http://www.mindspring.com/~fred.devries/

Date: Sat, 8 May 1999 17:23:44 -0500
From: guillotstutoring@juno.com
To: qrp-l@Lehigh.EDU
Subject: [39907] Re: QRP Classics
Message-ID: <19990508.172347.-873405.1.guillotstutoring@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I got it from my local library through interlibrary loan from the state library and copied it.

>Can anyone tell me if the book "QRP Classics" is still in print
>

Ed Guillot, N5ED
New Orleans, LA
qrp-l#1951

_____
You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at http://www.juno.com/getjuno.html
or call Juno at (800) 654-JUNO [654-5866]

Date: Sat, 08 May 1999 17:27:30 -0500
From: mjfitz@uswest.net
To: qrp-l posts <qrp-l@Lehigh.EDU>
Subject: [39908] Mixer Q: 2402 Core
Message-ID: <3734BA52.1B68BAEA@pop.omah.uswest.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

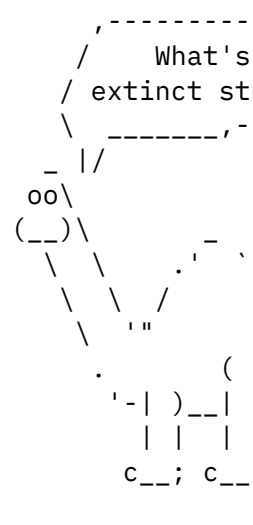
Guys-
    Have a couple of Dan's no. 3 mixer kits with what looks like HP0725 (?) hot carrier diodes and what I believe are 2402 binocular cores. I have looked in all my cookbooks and cannot find, in any of them, instructions for winding when making a double-bal mixer...I have no trouble winding toroids but would like to try using these cores. Could someone tell me where to find/how to wind these?
                          Many thanks, again!
                            Mike KI0AF

Date: Sat, 8 May 1999 15:47:39 -0700 (MST)
From: Chris Trask <ctrask@primenet.com>
To: Tom Bowman <tbowman@nbn.net>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [39909] Re: QRP-L Police
Message-ID: <Pine.BSI.3.96.990508154626.16743E-100000@usr08.primenet.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Sat, 8 May 1999, Tom Bowman wrote:

> Charles and QRP-L:
>
> I've been on this list close to five years. QRP-L has about 3,000 members.
> As the list grows so does the "fatal 10 percent." Those are the people that
> disagree with everyone, are sure they are right, and most always get it wrong.
>

     And if you think this list is bad, you need to subscribe to the antenna refelctor for a week or two. There are some real prima donas there.



Circuit Design for the
RF Impaired

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Graphics by Loek Frederiks

Date: Sat, 08 May 1999 03:46:41 -0700
From: Thomas Kuehl <ac7a@uswest.net>
To: applitech@mcg.net
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [39910] Re: Help needed: MPF-105, 2N3819 Specs.
Message-ID: <37341611.8CA45FE2@uswest.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hello Clayton:

The MPF105 has the same lead arrangement as the MPF102. If you were to hold the device with the flat side and markings toward you, the lead sequence is: Drain, Source, and Gate. I was unable to find the exact MPF105 specifications, but the TI Transistor and Data Book recommends the 2N5951 as a replacement, although the lead assignment is not the same. Viewed in the same fashion, the 2N5951 uses a Gate, Drain, Source arrangement. Assuming the 2 devices are similar, the key specifications for the 2N5951 are: Vgs(off) -2 to -5 volts, Idss 7 to 13 mA, gfs 3.0 to 6.5 mS. My Hw-8 schematic shows the RF amplifier, Q1, as a 417-619. Penciled in next to the Heath number is "MPF105."

The 2N3819 uses the following lead arrangement: Source, Gate, Drain (viewed as stated above). The key specifications are: Vgs (Vds = 15V, Id = 200 uA) -0.5 to -7 volts, Idss 2 to 20 mA, and gfs (actually yfs, but close enough at 1 Khz) 2.0 to 6.5 mS. These spec.'s are wide as a barn! Not a device one would readily design into most modern applications.

A popular JFET family today is the 2N5484/85/86, and it often shows up in amateur radio applications. It uses the same pin-out as the MPF105, and is produced by many JFET manufactures. These devices will come closest to MPF10X series, and probably use the same die (chip). The 2N5485 comes closest to the MPF105 specifications. Its key spec.'s are: Vgs(off) -0.3 to -3.0 volts, Idss 4.0 to 10.0 mA, and gfs 3.5 to 7.0 mS. The 2N5486 is a bit "hotter:" Vgs(off) -2.0 to -6.0 volts, Idss 8.0 to 20 mS, and gfs 4.0 to 8.0 mS.

You have to be careful substituting higher gain devices in many applications. In the case of the HW-8, where the FET it is used as a common-source RF amplifier, it can lead to stability problems. Even with the current MPF105 used in my HW-8, it will be come unstable on 80 meters if I peak the receiver preselector control just right. I am certain a higher gain device, or one with higher Drain-Gate capacitance would be even more of a problem. By the way: If you find do develop that particular problem during your experimentation; Heath recommended putting a 10K resistor across the lugs of L13.

One last thing: beefing up the RF amp will drive the MC1496 product detector harder. This can be a problem when strong signals are present - especially strong AM short-wave stations. They will be readily demodulated and will over power those teensy-weensy, QRP signals that you are trying to copy!

Hope I didn't offend anyone with the length of this reply.

Regards, Thomas - AC7A

Claton Cadmus wrote:

> I need the specs and lead designations for MPF-105 and 2N3819 transistor.
> I've tried the web without any luck. The MPF-105 was used as the RF amp in
> the HW-8 I'm trying to find a decent sub. I happen to have 2N3819 and
> should have MPF-102 around here but haven't found them yet.
>
> BTW, is there a good discrete transistor information site on the web?
>
> Please send email direct and thanks.
> ----
> 73 de KA0GKC Claton Cadmus
> cla@mcg.net
> MNQRP #1
> Minnesota QRP'ers we're looking for you!

> Email me or visit this page http://www.qsl.net/mnqrp

End of QRP-L Digest 1451
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